

CLAIMS

1. A triple clamp comprising:

a body defining a first fork clamp opposite a second fork clamp along a common centerline, said body defining a center steering pivot, said center steering pivot including a pivot centerline;

an offset defined by said common centerline and said pivot centerline; and

at least one clamp insert having an eccentric form insertable in each of said first fork and said second fork, said clamp insert configured to shift said offset.
2. The triple clamp of claim 1 wherein said at least one clamp insert comprises an insert body having an insert wall, said insert wall defining an insert perimeter and an insert inside diameter, said insert wall having a variable thickness, said variable thickness configured to shape said eccentric form.
3. The triple clamp of claim 1 wherein said at least one clamp insert is configured to be insertable in said center steering pivot.
4. The triple clamp of claim 2 wherein said insert perimeter is configured to dispose in each of said first fork clamp and said second fork clamp.

5. The triple clamp of claim 1 wherein said at least one clamp insert comprises a reversible feature, wherein said reversible feature is configured to create a first shift in said offset and a second shift in said offset.

6. The triple clamp of claim 5 wherein said at least one clamp insert is configured to shift said offset in one of forward and rearward relative to said center steering pivot.

7. The triple clamp of claim 2 wherein said clamp insert perimeter is configured to be insertable in said center steering pivot to shift said offset.

8. The triple clamp of claim 1 wherein said at least one clamp insert comprises a ball clamp insert having a ball clamp body forming a ball cavity supporting a ball insert.

9. The triple clamp of claim 8 wherein said ball clamp insert is configured to alter a fork rake angle.

10. The triple clamp of claim 1 wherein said at least one clamp insert comprises an angled clamp insert having an inner surface formed with a pitch along the axis of the angled clamp insert.

11. The triple clamp of claim 10 wherein said pitch corresponds with a predetermined fork rake angle.

12. A triple clamp comprising:

a clamp body forming a first fork clamp and a second fork clamp, a center steering pivot formed in said clamp body between said first fork clamp and said second fork clamp, said center steering pivot defines a steering centerline, said first and second fork clamps define a fork centerline;

an offset formed between said steering centerline and said fork centerline;

and

a clamp insert including an insert body defining an insert wall defining an insert inside diameter and an insert outside diameter, said clamp insert outside diameter configured to be insertable in each of said first fork clamp and said second fork clamp and configured to shift said offset.

13. The triple clamp of claim 12 wherein said insert wall comprises a variable thickness, wherein said variable thickness forms an eccentric insert center relative to said insert outside diameter.

14. The triple clamp of claim 12 wherein said clamp insert includes a reversible feature, wherein said reversible feature is configured to create a first shift in said offset and a second shift in said offset.

15. The triple clamp of claim 12 wherein inside diameter is configured to mount a fork.

16. The triple clamp of claim 12 wherein said outside diameter includes an oval shape and said insert body is reversible 180 degrees, wherein a first offset and a second offset are configurable from said reversible insert body.

17. The triple clamp of claim 12 wherein said clamp insert comprises a ball clamp insert having a ball clamp body forming a ball cavity configured to support a ball insert, said ball clamp insert configured to alter a fork rake angle.

18. A method of using a triple clamp comprising:
installing a set of triple clamps on a motorcycle frame, said set of triple clamps comprising an upper triple clamp and a lower triple clamp, said upper triple clamp and said lower triple clamp each comprising a body defining a first fork clamp opposite a second fork clamp along a common centerline, said body defining a center steering pivot, said center steering pivot including a pivot centerline, an offset defined by said common centerline and said pivot centerline;

inserting an upper set of clamp inserts in said upper triple clamp, each said upper clamp insert having an eccentric form insertable in each of said first and second forks of said upper triple clamp, said upper clamp insert configured to shift said offset of said upper triple clamp;

inserting a lower set of clamp inserts in said lower triple clamp, each said lower clamp insert having an eccentric form insertable in each of said first and second forks of said lower triple clamp, said lower clamp insert configured to shift said offset of said lower triple clamp; and

shifting said offset of said upper triple clamp and said lower triple clamp.

19. The method of claim 18 further comprising:

reversing said upper set of clamp inserts;

reversing said lower set of clamp inserts;

creating a first offset; and

creating a second offset.

20. The method of claim 18 further comprising:

replacing said upper set of clamp inserts with an upper set of ball clamp inserts, said ball clamp inserts comprising a ball clamp body forming a ball cavity supporting a ball insert, said ball clamp inserts configured to alter a fork rake angle;

replacing said lower set of clamp inserts with a lower set of angled clamp inserts, said angled clamp inserts comprising an inner surface formed with a pitch along the axis of the angled clamp insert; and

altering said fork rake angle.